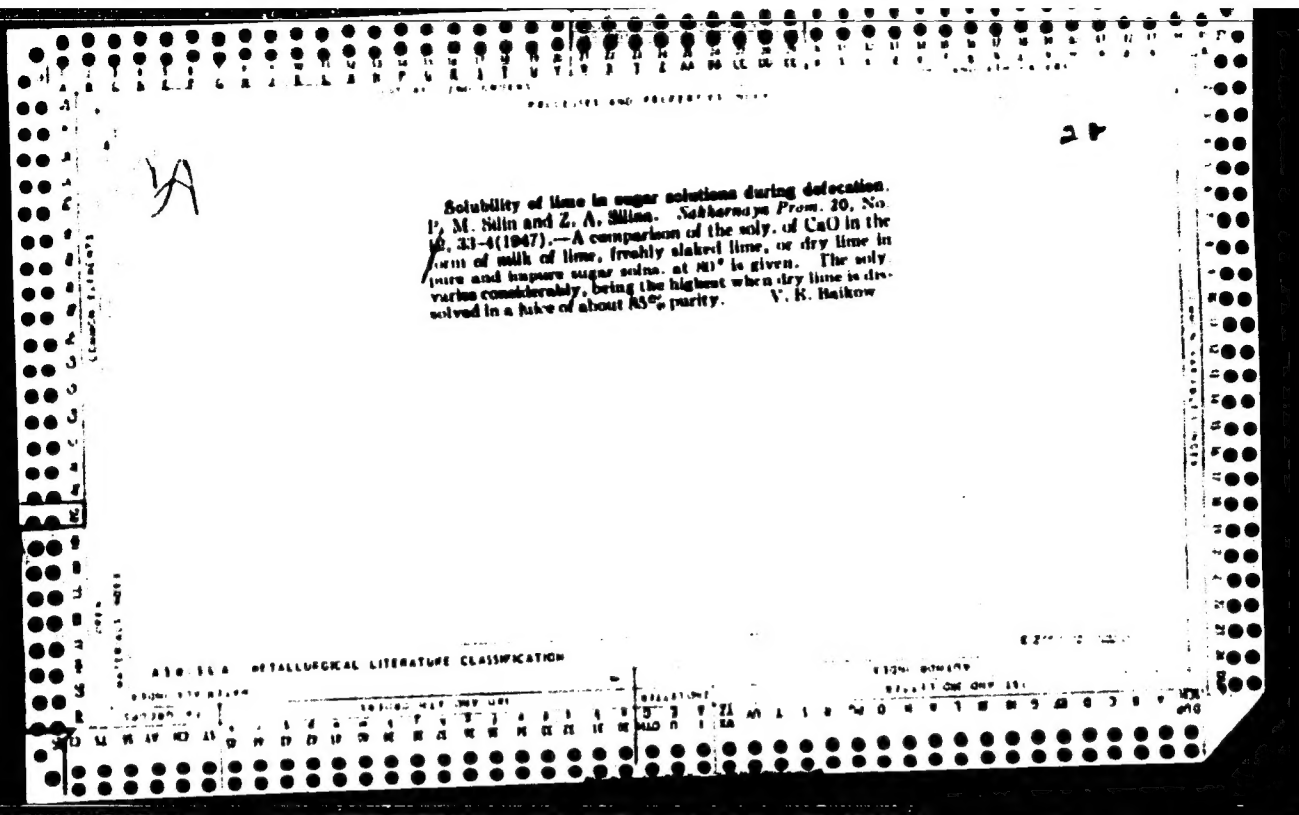


157 AND 158 CODES		159 AND 160 CODES	
PROCESS AND PROPERTIES INDEX			
C	A	<p>Function of nonsugars in sirup formation P. M. Silin and Z. A. Silina. <i>Sukharnaya Prom.</i> 19, No. 6, 22-3(1946).—The basic formula for calcg. the sirup-forming ability is $m_0 = q_0/(100 - q_0)$, where m_0 is the sirup-forming coeff. and q_0 is the quality index of the sirup (cf. Silin, <i>Khimicheskii kontrol' peklovakharnogo proizvodstva</i> 1936, p. 170). To the sirup was added a quantity (n) of a nonsugar, e.g. NaCl. On this mixt. were detd. q_1 analogous to q_0 and m_1 analogous to m_0. The sirup-forming coeff. (m) of the added substance was calcd. from the equation $m = m_0 + 100/n \cdot (m_1 - m_0)$. The coeff. m for various substances was detd. It ranges from 0.10 for invert sugar to 4.61 for NaOH. Some of the Ca salts tested had neg. m. The cations tested had different m values, but for any one cation m was detd. by its anion. In decreasing order of m the tested cations were $K > N > Ca$. The decreasing order for the tested anions was $OH, CO_3, CH_3COO, Cl, glutamate, tyrosine, lactate, decompn. products of invert sugar, and NO_3$. The nonsugars can be divided into 3 groups: (1) strong sirup formers ($m > 24$) comprising alkali metal hydroxides, carbonates, acetates, and chlorides; (2) medium sirup formers ($m = 1.1-0.8$) including betaine, K and Na salts of amino acids and lactic acid; and (3) weak sirup formers (m less than 0.8) contg. invert sugar and salts of its decompn. products, Ca salts and $NaNO_3$. M. Hosh</p>	
		28	
<p>ASS-51.4 METALLURGICAL LITERATURE CLASSIFICATION</p>			
SIRUP FORMING		SIRUP QUALITY	
SIRUP FORMING		SIRUP QUALITY	



SILINA, Z. A.

Chemical Abst.
Vol. 48 No. 3
Feb. 10, 1954
Sugar, Starch, and Gums

①
Influence of different nonsugars upon formation of molasses. *Z. A. Silina. Trudy Leningrad Tekhnol. Inst. Pishchevol Prom. I(X), 22-8(1949).*—Twenty-five different nonsugars were added to a standardized beet molasses and the coeff. of molasses formation was established for each individual nonsugar. Theories and method of experimentation are described and a no. of tables are shown.
V. E. Baikov

011111, 2. A.

Chemical Abst.
Vol. 48 No. 3
Feb. 10, 1954
Sugar, Starch, and Gums

⑦
Viscosity of molasses. P. M. Silin and Z. A. Silina
(Moscow Technol. Inst. Food Ind.). *Sakharnaya Prom.*
27, No. 7, 21-7(1953).—Viscosity of molasses prevents
crystn. in low-grade masscutes and, therefore, increases
sucrose losses. It is advisable to introduce in the lab.
control detn. of molasses viscosity. The normal purity and
degree Brx of final molasses depend on viscosity and can
be calcd. from nomographs shown in this article.
V. K. Baikow

... ZA.

Viscosity of molasses. P. M. Sillia and Z. A. Sillia. Z.
Zuckerind. 4(79), 169-60(1954). Abridgment in German.
See C.A. 48, 17186. A. Van Hook

CH
①

BOGAT, A.P.; BOZ'MEN, K.K.; ISKOVICH, M.Y.; SILEV, ...

Improvement of methods for the inventory of commodities in
drugstores. Sber. nauch. trud. TSANI 6:20-23 '74.

(MIRA 19:1)

1. Otdel organizatsii i ekonomiki aptechnogo dela (rukovoditel' -
kand. farm. nauk A.M. Sidorkov) TSentral'nogo aptechnogo nauchno-
issledovatel'skogo instituta.

23938 Sluchay Nakhrovosti V Tsvetkakh L'vinogo Zeva. Priroda, 1949, No. 9, S. 71-72

3C: Letopis' Zhurnal'nykh Statey, Vol. 39, Moskva, 1949

SHILIN, A. H.

"A Case of Dipetaly in Flowers of the Snapdragon (*Antirrhinum*)," *Priroda*, No. 9, 1949.

1. SILINA, Z. M.
2. USSR (600)
4. Tulips
7. Experiments in hybridizing tulips.
Trudy Bot. inst. AN SSSR. Ser. 6 No. 2, 1952

9. Monthly List of Russian Accessions, Library of Congress, March 1953, Uncl.

SILINA, Z.M.

Cultivation of tulips in Leningrad Province. Trudy Bot.inst. Ser.6
no.3:5-146 '53. (MLBA 7:1)
(Leningrad Province--Tulips) (Tulips--Leningrad Province)

SILINA, Z.M.

Description of tulip varieties. Trudy Bot.inst.Ser.6 no.4:336-342
'55. (Tulips) (MIRA 9:2)

SILINA, Z.M.

Description of sweet pea varieties. Trudy Bot.inst.Ser.6
no.4:343-347 '55. (Sweet peas) (MIRA 9:2)

DANILOVA, M.F.; SILINA, Z.M.

Development of new forms in tulips (*Tulipa* L.) in relation with
the activation of axillary meristems. Trudy Bot.inst.Ser. 7
no.5:176-224, '62. (MIRA 15:2)

(Tulips)

SILINA, Z.M.

Some results of the work on tulip breeding at the Botanical
Institute of the Academy of Sciences of the U. S. S. R. Trudy
Bot. inst. Ser. 6 no.8:39-86 '62. (MIRA 15:7)
(Tulip breeding)

SHNAYDMAN, L.O.; SILING, M.I.; Primala uchastiye: PROKHORENKO, L.V.

Studies in the production of pyridinecarboxylic acids. Report No.
2: Synthesis of isocinchomeric acid by oxidation of 2-methyl-5-
ethylpyridine nitric acid under atmospheric pressure. Trudy
VNIVI 8:5-11 '61. (MIRA 14:9)

1. Khimiko-tekhnologicheskaya laboratoriya Vsesoyuznogo nauchno-
issledovatel'skogo vitaminogo instituta.
(Isocinchomeric acid)

SENAYDMAN, L.O.; KUSHCHINSKAYA, I.N.: Prinimali uchastiye: SILING, M.I.;
BALATONKO, S.V.; SHEVYREVA, O.N.; RYUMINA, N.V.; VASIL'YEVA, G.A.

Catalytic oxidation of diacetone-L-sorbose in diacetone-2-keto-
L-gulonic acid with atmospheric oxygen. Trudy VNIVI 8:13-22
'61. (MIRA 14:9)

(Sorbose) (Gulonic acid)

GEL'BSMTEYN, A.I.; SILING, M.I.; SERGEYEVA, G.A.; SHCHEGLOVA, G.G.

Vapor phase catalytic conversions of acetylene. Part 1: Adsorption of acetylene and hydrogen chloride on catalysts for vapor phase hydrochlorination of acetylene. Kin.i kat. 4 no.1:149-155 Ja-F '63. (MIRA 16:3)

1. Fizikokhimiicheskiy fakul'tet imeni L.Ya.Karpova.
(Acetylene) (Hydrochloric acid) (Adsorption)

GEL'BSHTAYN, A.I.; SILING, M.I.

Vapor-phase catalytic conversions of acetylene. Part 2:
Thermodynamic characteristics of the complex-forming
reactions of mercury, bismuth, cadmium, and zinc chlorides
with acetylene and hydrogen chloride on a carbon surface.
Kin. i kat. 4 no. 2:301-306 Mr-Ap '63. (MIRA 16:5)

1. Fiziko-khimicheskiy institut imeni Karpova.
(Acetylene compounds) (Hydrochloric acid) (Catalysts)

ABDULYEV, YU. I.; CHIRIK, N. I.; KARPENKO, G. G.; YAKOVLEV, I. P.

Vapor-phase catalytic conversion of acetylene. Part 5: Certain regularities in the catalysis by salts of vapor-phase reactions of addition to acetylene. *Kin. i kat.* 5 no.3:460-468, 1964, (MIRA 17:11).

1. Fiziko-khimicheskiy institut imeni Karpova.

1. Kuznetsov, N.S.; and Kuznetsov, N.S.

Use of adsorption technique in studying catalysts for vapor-phase
synthesis of vinyl acetate. Kin. i kat. 6 no. 4/10-722 (1-3) 1955.

(KATPA 1955)

1. Fiziko-khimicheskiy institut imeni S.Ya. Karpova, Moskva.

... of carbon as a carrier in some cases of catalysis. Zhur.
izv. khim. 39 n. 8:2042-2043 Ag '65. (MIRA 18:9)

. Moskovskiy fiziko-khimicheskiy institut imeni Karpova.

L 35419-65 EPA(s)-2/EWT(m)/EPF(c)/EPR/EWP(j)/T Pc-4/Pr-4/Ps-4/Pt-10 WW/RM
 ACCESSION NR: AP5005753 8/0183/65/000/001/0035/0038

AUTHORS: Korshak, V. V.; Vinogradova, S. V.; Siling, S. A.

TITLE: Synthesis and investigation of cross-linked polyarylates

SOURCE: Khimicheskiye volokna, no. 1, 1965, 35-38

TOPIC TAGS: polyester, stress measurement, strain measurement, solubility, thermal stability, polymer, formaldehyde/ Novolak No. 18

ABSTRACT: The authors' purpose was a study of the possibility of increasing heat resistance of known polyarylates by partial cross-linking of their polymer chains. In this study polyarylate of phenolphthalein and isophthalic acid and a mixed polyarylate of n,n'-dioxydiphenylpropane, terephthalic acid, and isophthalic acid (in the proportions of 1:0.5:0.5 mole) were used. For cross-linking agents the authors used Novolak No. 18 and formaldehyde. Examinations were made of infrared absorption spectra, x-ray powder photographs, solubility, strength, and elongation. (The study indicates that cross-linking of linear polyarylates may be effected with Novolak and formaldehyde.) The degree of cross-linking depends on the amount of cross-linking agent, the temperature, and the duration of the reaction. Films of cross-linked polyarylates are insoluble in organic solvents, and they possess high thermal stability. "In conclusion, the authors express their thanks to B. L.

Card 1/2

L 35419-63

ACCESSION NR: AP5005753

Tsetlin and his co-workers for making possible the determination of the mechanical properties of the films." Orig. art. has: 6 figures and 3 tables. 2

ASSOCIATION: INEOS AN SSSR; VNIIV

SUBMITTED: 03Feb64

ENCL: 00

SUB CODE: OC, MT

NO REF SOV: 002

OTHER: 001

Card 2/2

L 57055-65 EPF(c)/EPR/EWT(m)/EWP(j)/T Pc-l/Pr-l/Ps-l WW/RM

ACCESSION NR: AP5013980

UR/0183/65/000/003/0016/0019
678.744

35
28
B

AUTHORS: Korshak, V. V.; Vinogradova, S. V.; Siling, S. A. 15

TITLE: Heat resistant films from thermoreactive polyarylates

SOURCE: Khimicheskiye volokna, no. 3, 1965, 16-19

TOPIC TAGS: heat resistance, organic synthesis, polycondensation, mechanical property, strengthening

ABSTRACT: The authors previously studied a number of polyarylates and the effect of structuration on their heat resistance. In the present study of polyarylates from phenophthalein, an attempt was made to introduce into the chain a small number of radicals of a compound containing double bonds, to study the properties of the resulting polyarylates, and to investigate the possibility of preparing films of high heat resistance from these. Initial materials for the synthesis were isophthaloyl chloride, phenophthalein, and 4,4'-dioxo-3,3'-diallyldiphenyl-2,2'-propane (= diallyldian). The polyarylates were obtained by polycondensation in chlorinated biphenyl at high temperatures (up to 250C). Polyarylates containing various quantities of diallyldian show almost no difference in strength

Card 1/2

L 57055-65

ACCESSION NR: AP5013980

7

properties, but with increase in content of diallyldian radicals in the chain the deformability of the films at high temperatures increases. Change in composition of the polyarylate affects the strength properties, the best strength properties being obtained from a combination with the ratio of isophthaloyl chloride : phenophthalein : diallyldian = 1 : 0.950 : 0.50. It was found that films of the studied polyarylates may be strengthened at high temperature with and without initiator and also by copolymerization with various vinyl monomers. Films of these strengthened polyarylates have high heat resistance. "In conclusion, the authors consider it their duty to express their thanks to G. L. Slonimskiy for consultations on the physical and mechanical properties of the films and to Ye. N. Prilezhayeva, G. S. Kolesnikov, T. A. Sakharova, and T. A. Soboleva for preparing the vinyl monomers used as cross-linking agents." Orig. art. has: 2 figures and 5 tables.

ASSOCIATION: INEOS AN SSSR; VNIIV

SUBMITTED: 03Feb64

ENCL: 00

SUB CODE: OC, GC

NO REF SOV: 003

OTHER: 000

Card 2^{1/2}

L 44162-65 EPT(c)/EPR/EWP(j)/EWT(m)/T Pc-4/Pr-4/Ps-4 WW/RM

ACCESSION NR: AP5011252

UR/0190/65/007/004/0701/0706

AUTHOR: Korshak, V. V.; Vinogradova, S. V.; Siling, S. A.

TITLE: Cross linking of polyarylates which contain free hydroxyl groups in the backbone

SOURCE: Vysokomolekulyarnyye soyedineniya, v. 7, no. 4, 1965, 701-706

TOPIC TAGS: polyarylate, aryllic polyester, cross link, cross linked polymer, cross linked polyarylate, cross linking agent, metal chelate, metal polychelate, improved mechanical property

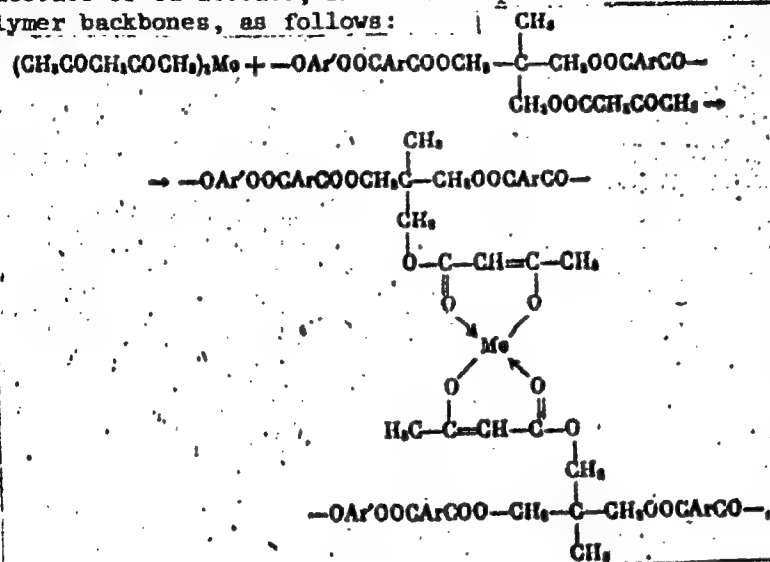
ABSTRACT: The thermal stability and mechanical properties of polyarylates (i.e., aryllic polyesters) have been improved, and decreased solubility in organic solvents has been achieved by cross-linking the backbones of polyarylates by a controlled incidence of cross-linking. This controlled incidence is essential for avoiding brittleness of the end product, which is intended for preparing films or fibers. To achieve cross-linking of a thermoplastic polyarylate, the latter was modified by introducing a small number of free hydroxyls as substituents into its structure. Thus, the experiments were conducted with a polymer prepared from phenolphthalein (0.9—0.95 mol), 1,1,1-trimethylolethane (0.1—0.05 mol) and isophthalyl dichloride (1 mol). Cross-linking was achieved by the following three

Card 1/13

7. 44162-65

ACCESSION NR: AP5011252

methods: 1) esterifying the hydroxyls with acetoacetyl radicals and subsequent reacting of the organic ligand formed with 5% chloroform solutions of Zn, Cu, Ni, or Be acetonylacetate or Cd acetate, in order to produce metal chelate bridges between the polymer backbones, as follows:



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L 44162-65

ACCESSION NR: AP5011252

2

2) esterifying the free hydroxyl groups with anhydrides of dibasic aromatic acids, such as phthalic, maleic, or pyromellitic acid; 3) heating the hydroxyl-containing polymers without any cross-linking agent. The results (tabulated in the original) indicated that, in general, mechanical properties improve after controlled cross-linking, and that the nature of the cross-linking agent has little effect on this improvement. An increase in the amount of the cross-linking agent results in deterioration of the mechanical properties of the films investigated. Direct cross-linking by heating produced somewhat better results than the use of the cross-linking agents. The thermal stability of films cross-linked with a metal decreased in the following sequence of metals used: Cd, Cu, Be, Ni, Zn. It is interesting to note that Ni and Zn chelates were formed even at room temperature without heating, which is necessary for the formation of other chelates, and that Ni- or Zn-chelated films displayed the largest stress formations. This comparatively high deformation (20—40% at various temperatures compared with an average deformation of 5—8% for other metals) combined with nonfusibility and low solubility in organic solvents places the Ni and Zn chelates in an advantageous position as compared to films cross-linked by other cross-linking agents. Orig. art. has: 2 formulas, 3 tables, and 1 graph. [BN]

ASSOCIATION: Institut elementoorganicheskikh sovedineniy AN SSSR (Institute of Heteroorganic Compounds, AN SSSR)

Card 3/4

L 56678-65 EWT(m)/EPF(c)/EWP(j)---Pc-4/Pr-4---RM
ACCESSION NR: AP5017836

UR/0286/65/000/011/0076/0076
678.673.002.02

AUTHOR: Korshak, V. V.; Vinogradov, S. V.; Siling, S. A.

TITLE: A method for producing polyarylates which contain reactive groups.
Class 39, No. 171555 ¹⁵

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 11, 1965, 76

TOPIC TAGS: polymer, Friedel-Crafts catalyst

ABSTRACT: This Author's Certificate introduces a method for producing polyarylates which contain reactive groups. The process is simplified by heating thermoplastic linear polyarylates in the presence of a Friedel-Crafts catalyst at a high temperature.

ASSOCIATION: none

SUBMITTED: 20Jun64

ENCL: 00

SUB CODE: OC, OC

NO REF SOV: 000

OTHER: 000

Card ¹⁸² 1/1

FENCL, Z.; SILINGER, V.; NUSL, J.; MALEK, I.

Theory of semicontinuous cultivation applied to the yeast
Torula utilis. Folia microbiol 6 no.2:94-103 '61. (KEAI 10:5)

1. Department of Microbiology, Institute of Biology, Czechoslovak
Academy of Sciences and The Technical University, Prague 6.
(YEAST) (TORULA UTILIS)

АЛЕКСАНДР, В.В.; ВИТОВСКИЙ, С.В.; 1975, С.А.

Structuration of polyarylates containing free hydroxyl groups
in the chain. Vyokom. soed. 7 no.4:701-706 Ap '65. (MIRA 18:6)

1. Institut elementoorganicheskikh soedineniy AN SSSR.

ACC NR: AI'6021448

(A)

SOURCE CODE: UR/0413/66/000/011/0073/0073

INVENTORS: Korshak, V. V.; Vinogradova, S. V.; Siling, S. A.

ORG: none

TITLE: A method for obtaining heat-resisting polyarylates. Class 39, No. 182329

SOURCE: Izobroteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 11, 1966, 73

TOPIC TAGS: polyaryl plastic, dicarboxylic acid, formaldehyde, thermoplastic material, polymer, plastic, phenol

ABSTRACT: This Author Certificate presents a method for obtaining heat-resisting polyarylates by treating linear saturated thermoplastic polyarylates (based on bis-phenols and dicarboxylic acids) with novolak or formaldehyde. To expand the assortment of heat-resisting materials, polyarylates based on phenolphthalein and dicarboxylic acids are used as linear saturated thermoplastic polyarylates.

SUB CODE: 11/
07/ SUBM DATE: 2/May63

Card 1/1

UDC: 678.673.073-9:547.281.1

BARTA, Jiri; STROS, Frantisek; SILINGER, Vladimir

Research on feeding yeast production by continuous fermentation
and its application. Kvasny prum 9 no.8:191-196 Ag '63.

1. Mikrobiologicky ustav, Ceskoslovenska akademie ved, Praha
(for Barta and Silinger).
2. Vyzkumny ustav lihovarskeho a konzervarenskeho prumyslu, Praha
(for Stros).

SILINGER, Vladimir, inz.

Utilization of proteins from brewery bitter sludge and fermentation waste. Prum potravin 14 no.5:231 My '63.

1. Mikrobiologicky ustav, Ceskoslovenska akademie ved, Praha.

SILINK, Karel; REISEHAUER, Roman

Mapping of goiter. II. Objective standards for mapping of goiter.
Cas. lek. česk. 99 no.39:1218-1219 25 S '59.

1. Vyzkumny ustav endokrinologicky, Praha, prednosta doc. dr. K.
Silink.

(GOITER)

SHLICOVA, J.; STARKA, L.; SOUMAR, J.; BLENHOVA, B.; SILINK, K.

Disorders in the excretion of steroid metabolites in parents and their children suffering from the virilizing syndrome.
Cesk. pediat. 20 no.11:984-987 N '65.

1. Vyzkumny ustav endokrinologicky v Praze (reditel doc. dr. K. Silink, DrSc.) a Detska klinika lecarske fakulty hygienicke Karlovy University v Praze (prednostka prof. dr. J. Cizkova-Pisarovicova, DrSc.).

SHIL'KO, S.I.; MIKHEI'VA, I.M.; BISEKOV, M.P., red.

[Achieve high quality in the production of salmon caviar]
Lososevoi ikre -- vysokoe kachestvo. Petropavlovsk.
Kamchatskii, Knizhnaia red. "Kamchatskoi pravdy," 1961. 6 p.
(MIRA 18:8)

CASIDENAS, M.; GILLIS, V.; SIUKONYTE, R.; KILAS, M., red.

[Regionally adopted varieties of agricultural cultures in
the Lithuanian S.S.R.] Lietuvos TSR rajonui zemes ukio
kulturu veisles. Vilnius, Valstybine politines ir mokslines
literaturos leidykla, 1961. 55 p. (MIRA 15:2)
(Lithuania--Field crops--Varieties)

CH

116

Thiocyanate and endemic goiter. Karel Salnik and I. Markkova (Central Endocrinol. Inst., Prague). *Nature* 167, 529 (1951).-- The amt. of thiocyanate in the blood of subjects with normal thyroids, those with slight hyperplasia, medium or large goiters, with evidence of increased vascularization of thyroid gland or with thyrotoxicosis was determined in two districts of Czechoslovakia with high incidence of endemic goiter. Values in each individual group were greater in the autumn than in the spring, and there was an obvious relation between hyperplasia of thyroid and its vascularization and activity. The thiocyanate values of serum corresponded to those found in subjects receiving less than 0.1 g. K. thiocyanate per os over a long period. This dose had no goiter-producing effect. Increase in thiocyanate levels in blood without increase in hyperplasia of the thyroid indicated consumption of a goiter-producing substance in food which leads to increase in the thiocyanate level, probably from fresh produce. Apart from Iodine deficiency endemic goiter has other biochemically detectable causes. M. M.

1951

SILINK, K.

Hyposaturation in seasonal vitamin C deficiencies and their pathologic effects. Cas. lek. cesk. 92 no.28:771-779 10 July 1953. (CML 25:1)

1. Of the Central Institute of Endocrinology, Prague.

SILINK, Karel

SILINK Karel, Doc. MUDr

Therapy of advanced cancer of the breast with hormones. Prakt.
lek., Praha 34 no.15-16: 350-353 5 Aug 54.

1. Z Ústředního endokrinologického ústavu v Praze.
 (BREAST, neoplasms
 *ther., hormones)
 (HORMONES, therapeutic use
 *cancer of breast)

ROHLING, Svatopluk, RNDr; REISENAUER, Roman, Ing.; PIHAR, Otomar, RNDr;
SILINK, Karel, doc. MUDr

Studies on the metabolism in the population of Bohemia and Moravia.
I. Nitrogen metabolism. Cas. lek. cesk. 93 no.45:1254-1256 5 Nov 54.

1. Z Ustredniho endokrinologickeho ustavu.
(NITROGEN, in urine,
statist.)
(URINE,
nitrogen, statist.)

~~SILINK~~ KAREL
~~KAREL~~ ~~SILINK~~

Med 4
Accumulation and excretion of iodine-131 in the diagnosis of thyroid disorders. Svatopluk Röhling, Stanislav Vohout, K. Hrabová, and Karel Šilink (Ústřední Endokrinol. Ústav, Prague). *Casopis Lékárů Českych* 94, 1371-4 (1965).—To 8 euthyroid controls, 8 cases with slight oligo-symptomatic thyrotoxicosis, 5 with moderately severe thyrotoxicosis, 3 with severe thyrotoxicosis, and 5 with very slight hypothyroidism, a dose of 0.1 mc. ^{131}I was administered orally and the accumulation of I in the thyroid gland was measured *in situ* by Geiger-Müller counting. Urinary excretion of I was also followed. Plots of the results show that the variation of the excretion test leads to overlapping between the various groups of subjects. The accumulation test appears superior; the 24-hr. value is not sufficient for diagnosis, but at least 3 measurements must be made (2, 6, and 24 hrs.).
I. M. Hale

REISENAUER, Roman; SILINK, Karel; BOHLING, Svatopluk

Thyroglobulin treatment in Karlovy Vary Region. Sborn. lek.
58 no.4:77-90 Apr 56.

1. Z Endokronologickeho oddeleni polikliniky, byv. Ustredni
endokrinologicky ustav, Praha.

(THYROTOXIN, deriv.

thyroglobulin ther. of goiter in school child. (Cz))

(GOITER, in inf. & child.

ther., thyroglobulin in school child. (Cz))

SILINK, Karel; FROMOWICZ, Kurt Karol; GODLEWSKI, Julian; ZURAWSKI, Ludwik

Case of Graves-Basedow disease treated with radioiodine.
Polski tygod. lek. 12 no.15:560-564 8 Apr 57.

1. (Z Zakładu Endokrynologii w Pradze; kierownik: doc. MUDr
Karel Silink i z III Kliniki Chorob Wewnętrznych. A.M. w
Krakowie; kierownik: prof. dr. Julian Aleksandrowicz).
Adres: Krakow, III Kl. Chor. Wewn. A.M. ul. Kopernika 17.

(HYPERTHYROIDISM, ther.

radioiodine (Pol))

(IODINE, radioactive

ther. of hyperthyroidism (Pol))

SILINK, Karel.; REISENAUER, Roman.

Metabolic studies among the population of Bohemia & Moravia. Cas.
lek. cesk. 96 No.26:809-812 28 June 57.

1. Endokrinologické oddelení polikliniky, byv. Ústřední endokrinologický
ústav, Praha, přednosta doc. Dr. K. Silink.

(GOITER, prev. & control

iodized salt, in Czech (Cz))

(IODINE, ther. use

iodized salt in goiter prev. in Czech. (Cz))

KANDRAC, M.; QUEISNEROVA, M.; ROHLING, S.; SOUMAR, J.; SILINK, K.; VOHNOUT, S.;

Personal experiences with VUFB thyrotropin. Cas. lek. cesk. 96 no.33-34: 1075-1082 23 Aug 57.

1. Laborator pro endokrinologii a metabolismis KU. III. interni klinika, prednosta akademik Josef Charvat, Praha. Vyzkumny ustav pro farmacii a biochemii v Praze, Vyzkumny ustav endokrinologicky v Praze, reditel docent Dr Karel Silink. Ustredni laboratore fakultni polikliniky.

(PITUITARY GLAND, ANTERIOR, hormones
thyrotropin in diag. of hypothyroidism (Cz))
(HYPOTHYROIDISM, diag.
iodine-labeled thyrotropin (Cz))

SILINK, K.; MOSCHL, R.; SOUMAR, J.

The use of massive single doses of I^{131} in the treatment of advanced cancer of the thyroid gland. Rev. Czech. M. 4 no.2:69-86 1958.

1. Research Institute of Endocrinology. Director: Doc. K. Silink.
(THYROID GLANDS, neoplasms
ther., radioiodine in single massive dose)
(IODINE, radioactive
ther. of thyroid cancer, single massive dose)

VOHOUT, S.; ROHLING, S.; SILINK, K.

Conversion factors of radioactive iodine in cardiac thyrotoxicosis.
Cas. lek. cesk. 97 no.29:902-909 11 July 58.

1. Vyzkumny ustav endokrinologicky, Praha, reditel doc. Dr. Karel
Silink. S. V., Praha 2, Narodni tr. 8.

(THYROID GLAND, funct. tests,

radioiodine test in thyroid cardiopathies, conversion
factors (Cz))

(IODINE, radioactive,

thyroid funct. tests in thyroid cardiopathies, conversion
factors (Cz))

(HEART DISEASE, physiology,

thyroid cardiopathies, radioiodine tests (Cz))

SILINK, K.; BOHLING, S.; VOHNOUT, S.

Importance of protein-bound radioiodine in blood as an indicator of thyroid function. Cas. lek. cesk. 97 no.43:1350-1354 24 Oct 58.

1. Vyzkumny ustav endokrinologicky v Praze, prednosta doc. dr. K. Silink.
 (THYROID GLAND, funct. tests
 protein-bound radioiodine in blood (Cz))
 (IODINE, in blood
 protein-bound, radioactive determ. as thyroid funct. test
 (Cz))

SILINK, Karel (Praha 2, Narodni tr. 8.)

Hormonal integration in the organism. Cas. lek. cesk. 98 no.25:777-780 19 June 59.

1. Vyzkumny ustav endokrinologicky, prednosta doc. dr. K. Silink.
(ENDOCRINE GLANDS, physiol.
hormonal integration in the organism (Cs))

CERNY, K.; SILINK, K.

Fractionation and biochemical significance of acid phosphomonoesterases
in hormone-dependent carcinomas. Neoplasma, Bratisl. 7 no.1 suppl:
85-91 '60.

(PHOSPHATASES chem)

(NEOPLASMS exper)

SILINK, K.; CERNY, K.

Biochemical typing of hormonally-differentiated carcinomas of
the breast and prostate. Neoplasma, Bratisl. 7 no.1 suppl:92-98
'60.

(PHOSPHATASES chem)
(BREAST NEOPLASMS diag)
(PROSTATE neopl)

SILINK, K.; MAJEROVA, A.; CERNY, K.; VOHNOUT, S.; HOSCHL, R.

Investigation on I-131 and iodine fractions in differential
diagnosis of carcinoma of the thyroid gland. Neoplasma, Bratisl.

7 no.1 suppl:123-126 '60.

(IODINE metab)

(THYROID GLAND neopl)

SILINK, Karel, Doc.

Endocrine and metabolic changes in climacteric. Cesk. gyn. 25[39]
no.1/2:10-16 Mr '60.

1. Vyzkumny ustav endokrinologicke, Praha, prednosta doc. dr. K. Silink.
(MENOPAUSE physiol.)

SILINK, Karel

The possibility of designing machines which learn diagnostic. The zero-systems of types and pathotypes in endocrinology. *Activ. nerv. sup.* 3 no.2:148-153 '61.

1. Research Institute of Endocrinology, Prague.

(ENDOCRINOLOGY diag) (AUTOMATIC DATA PROCESSING)

REISENAUER, Roman; HAVLENA, Jan; SILINK, Karel

Metabolic studies on Czech and Moravian population. VII. Urinary excretion of soluble calcium. Cas.lek.cesk 100 no.27/28:860-865 7 J1 '61.

1. Vyzkumny ustav endokrinologicky, Praha, reditel doc. MUDr. Karel Silink.

(CALCIUM urine)

HAVLENA, Jan; REISENAUER, Roman; SILINK, Karel

Metabolic studies among the population of Bohemia and Moravia. IX.
Urinary excretion of inorganic phosphorus. Cas.lek.cesk 100 no.35:
1105-1108 1 S '61.

1. Vyzkumny ustav endokrinologicky, Praha, reditel doc. MUDr. Karel
Silink.

(PHOSPHORUS urine)

SOMAR, Josef; SILINK, Karel

Treatment of thyroid cancer with I-131 in childhood and adolescence.
Endokr. Pol. 13 no.2:187-197 '62.

1. Instytut Endokrynologii Doswiadczalnej w Pradze Kierownik: Doc.
dr K. Silink.

(THYROID GLAND neopl) (IODINE radioactive)

SILINK, K.; STARKA, L.

Some clinical aspects of 7 α -hydroxy-A⁵-steroid, excretion. Rev.
czech. med. 9 no.1:31-35 '63.

1. Research Institute of Endocrinology, Prague, Director; Doc.
K. Silink, M.D.

(DEHYDROEPIANDROSTERONE) (DEHYDROGENASES) (ANDROSTERONE)
(ANDROGENS) (17-KETOSTEROIDS) (STERIODS) (CORTICOTROPIN)
(URINE) (CHROMATOGRAPHY) (ADRENAL CORTEX HYPERFUNCTION)

CZECHOSLOVAKIA

VI. FELT, Sv. RÜHLING, J. STRASEK and St. VOHNOUT, Endocrinology
Research Institute (Vyzkumny ustav endokrinologicky) Chief (reditel)
Docent Dr K. SILINK, Prague.

"Effect of Regression of Experimental Atherosclerosis on Serum Lipids
and Lipoproteins. Studies with 4-C¹⁴-Cholesterol."

Prague, Casopis Lekaru Ceskych, Vol 102, No 8, 22 Feb 63; pp 205-208.

Abstract [English summary modified]: Study in 31 rabbits: 13 controls on
normal diet, 9 on 1 Gm. dietary cholesterol/day for 6 months, tests 1
month later, 9 same treatment, tested 9 1/2 months later. Cholesteremia
and phospholipidemia in latter group were back to normal, aortic
cholesterol was less than in second group, and there was a marked shift
of labeled cholesterol from beta- to alpha lipoproteins as compared to
first group. Seven tables, 2 Soviet, 1 Czech and 24 Western references.

1/1

SILINK, K., Docent MD.

Research Institute of Endocrinology (Vyzkumny ustav
endokrinologicky), Prague

Brno, Vnitřní lékařství, No 6, 1963, pp 595-606

"New Mathematical Approach to Endocrinological Diagnosis.
(Procedural Scope for Electronic High-Speed Com-
puters Facilitating Detection of New Syndromes,
Grouping of Patients without Insertion of Diagnostic
and Pronouncements on Their Status)."

KREMLIOVA, . .; SKARLICKOVA, O.; SILINK, K.

Contribution to the study of endemic goiter. II. Genetic factors in areas with endemic goiter and their endocrine and psychiatric effect. Cas. lek. cesk. 104 no.13:342-348 2 Ap '65

1. Vyzkumny ustav endokrinologicky : Praha (reditel: doc. dr. K. Silink, DrSc.) a Psychiatricka klinika fakulty vseobecneho lekarstvi Karlovy University v Praze (prednost: prof. dr. V. Vondracek, DrSc.). 2. V. Kremenova's address: Praha 2, Mladsti tr. 8.

Endocrine Medicine

CZECHOSLOVAKIA UDC 615.849.7(546.15.02)-06:616.441-001.28-002

HOSCHL, R.; NEMEC, J.; SILINK, K.; KUBAL, J.; Research Institute for Endocrinology (Vyzkumny Ustav Endokrinologicky), Prague, Director (Reditel) Docent Dr K. SILINK.

"Radiation Thyroiditis as a Complication of Treatment with Radioactive Iodine."

Prague, Gazeta Lekaru Ceskych, Vol 105, No 19, 13 May. 66, pp 511 - 514

Abstract [Authors' English summary modified]: 321 patients were treated with 357 doses of radioactive iodine during treatment of hyperthyroidism or cancer of the gland. Radiation thyroiditis developed in 44.7% of patients with hyperthyroidism and in 71.3% of those with cancer. The frequency increases in proportion to the dose; it usually appears on the 3rd to 5th day after application of radioactive iodine and lasts for 10 days. Its duration is not influenced by corticosteroids. It differs from perithyroidal edema which developed in the first 48 hours after the iodine was administered. 3 Figures, 11 Western, 5 Czech references. (Manuscript received June 65).

1/1

Endocrinology

CZECHOSLOVAKIA UDC 615.849.7(546.15.02)-008.61-039.5-008.9(547.915:

APPROVED FOR RELEASE: 08/23/2000 **CIA-RDP86-00513R001550610015-7"**

FELT, V.; Endocrinological Research Institute (Vyzkumny Ustav Endokrinologicky), Prague, Director (Reditel) Docent Dr K. SILINK.

"Relationship Between Carbohydrate and Lipid Metabolism in Patients with Hypercortisolism -- Cushing's Syndrome."

Prague, Gazeta Lekaru Ceskych, Vol 105, No 41, 12 Oct 66, pp 1110 - 1116

Abstract [Author's English summary modified]: In 20 patients raised serum levels of non-esterified fatty acids (NEFA), cholesterol, neutral fat, blood sugar level, cholesterol/phospholipid index were found. A correlation between blood sugar level while fasting and the cholesterol blood level was determined. After glucose administration the rate constant of removal of NEFA in serum of patients was lowered, which indicates a deteriorated glucose utilization in adipose tissue hypercortisolism. The reduction in the content of cholesterol and phospholipids after glucose administration is discussed; the role of pituitary-adrenal system in atherogenesis is described. 3 Figures, 3 Tables, 37 Western, 7 Czech references. (Manuscript received Oct 65).

1/1

SILINKOVA-MALKOVA, E.; NAHLIK, F.; STAVA, Z.

~~unclassified, for the release~~
Liver function tests in the treatment of syphilis with spironovan
and bismuth. Cas. lek. cesk. 90 no.51-52:1522-1525 28 Dec 51.
(CML 21:5)

1. Of the Second Dermatological Clinic (Head--Prof. K. Hubschmann, M.D.)

VESIN, S.;SILINKOVA-MALKOVA, E.;MARTINU, H.

Radiotherapy of pulmonary cancer. Lek. listy, Brno 7 no. 15-16:404-410; contd. 1 Aug. 1952. (CJML 22:4)

1. Of the Central Roentgenological Department (Head--Prof. Vesin, M. D.) of State District Hospital in Prague XVII and of the Third Internal Clinic (Head--Prof. Charvat, M. D.) of Charles University, Prague.

VESIN, S.; SILINKOVA-MALKOVA, E.; MARTINU, H.

Radiotherapy of pulmonary cancer. Lek. listy, Brno 7 no. 17:436-438
1 Sept 1952. (CML 23:1)

1. Of the Central Roentgenological Department (Head--Prof. Vesin, M. D.)
of State District Hospital in Prague XVII and of the Third Internal
Clinic (Head--Prof. Charvat, M. D.) of Charles University, Prague.

SILINKOVA-MALKOVA, E., Dr.; BLAZEK, O., Dr.

Common mesentery as a cause of intermittent acute abdomen in adult women. Sborn. pathofysiol. trav. vyz. 8 no.4:222-224 Dec 54.

1. Z III int. kliniky, prednosta prof. Dr J.Charvat, pracovni skupina prof. Dr. S.Vesina.

(MESENTERIES, abnormalities,

common mesenteries causing acute abdomen in women)

(ABDOMEN, ACUTE, differential diagnosis,

common mesenteries in adult women)

(ABNORMALITIES,

common mesenteries causing acute abdomen in adult women)

SILINKOVA-MALKOVA, Eva, Dr.; BLAZEK, Oskar, Dr

Stratigraphy of the sella turcica. Cesk.rentg. 9 no.3:105-111
Aug 55.

1. Z III. interni kliniky KU v Praze, prednosta akademik J.Charvat.
Z pracovni skupiny Prof. Dr S.Vesina
(SELLA TURCICA, radiography,
stratigraphy)

Silinková - Maláková, E.

✓ The effect of procaine on the bile ducts in x-ray visualization. Eva Silinková-Maláková and Zdeněk Maláček (III. interní klin., Prague). Československá lékařská věda 95, 692-7 (1960). — By the means of cholecystography it has been shown in 33 human subjects that intravenously administered 10 ml. 1% procaine (I) is by itself without effect on the gall bladder. I applied intravenously together with Boyden's meal inhibits the beginning of the evacuation of the gall bladder. I applied by duodenal tube neither delays the evacuation nor does it affect its course. A. Zentšek

EXCERPTA MEDICA Soc.16 Vol.6/4 Cancor

April 58

1777. *Stratigraphical diagnosis of hypophysal adenomas* Stratigraphische Diagnostik der Hypophysenadenome. SLINKOVÁ-MÁLKOVÁ E. and BLAZEK O. III. Med. Klin., Karls-Univ., Prag *Endokrinologie* 1957, 34:1-2 (2-11)

A technique of extensive stratigraphical examination of the sella turcica, which is cheap, simple and convenient to the patient, is described. This technique ensures a correct spatial image in normal and also in pathological conditions and has proved efficacious especially for the diagnosis of the removal of hypophyseal tumours. The objective picture of all the sellar changes permits an early diagnosis. Comparative stratigraphy in the further pathological course facilitates the judgement of the dynamics of the process. The clinical characteristics and the typical X-ray findings obtained by stratigraphy in 56 cases of hypophyseal adenoma are presented.

EXCERPTA MEDICA Sec 6 Vol 13/2 Internal Med. Feb 59

1111. SKELETAL CHANGES IN PITUITARY ADENOMA - Změny skeletu y hypofyzárních adenomů - Šilinková E. and Blažek O.
III. Int. Klin., Karlový Univ., Praha - ČAS. LÉK. ČES. 1957, 96/42 (1334-1342) Tables 8 Illus. 3

In 72 patients with pituitary adenomata - 37 with acromegaly and 35 hormonally inactive - skeletal changes were evaluated by X-ray. By stratigraphy it was shown that in the majority the sella was asymmetrically enlarged, sometimes unilaterally. Characteristic for acromegaly is a thickening of the external lamina in the superior part of the frontalis. Half the males and all the females had calvarial hyperostosis, mainly of a nodular type and severe in degree. The sella may be loculated from excavations in the floor; the tuberculum is often prominent, while destruction of the dorsum is relatively slight. In 2/3 of the cases there are typical spongy appositions on the vertebral bodies. Thoracic kyphosis and lumbar lordosis may be more

marked, a deforming spondylosis more frequent and severe, similar to osteoclastic changes in the pelvis. Average finding at a young age is a deforming arthrosis; the articular space remains wide, however. Long bones are thickened, the region of the joint being thin and coarse, often with a cystic appearance in women. Females on the average have thicker compact bone layers, with thinner diaphyses of the phalanges of the foot. There is a characteristic type of female pelvis with widened hip sockets and a narrowed ramus of the pubis. Acromegaly conditions the growth not only of cartilage and connective tissue, but of bony stroma as well, not interfering with the mineralization of bone. The more marked features of the X-ray picture in women may be explained by the action of oestrogens. Chromophobe adenomata gave no characteristic skeletal changes. The sella may be more rounded, with more marked pressure changes on the dorsum. The more frequent diffuse osteoporosis is probably a result of the decreased production of steroids, and perhaps of growth hormone, in hypopituitarism.

(VI, 5, 16, 19)

SILINKOVA-MALKOVA, Eva

Spontaneous cholecystoduodenal fistula. Cesk. rentg. 12 no.4:250-253
Dec 58.

1. III. interni klinika KU v Praze, prednosta akademik Josef Charvat
Pracovni skupina prof. dr. S. Vesina. Z. S. M., III. int. klinika KU
Praha 2, Stat. fak. nem. 499.

(DUODENUM, fistula

cholecystoduodenal, spontaneous, case report (Cs))

(GALLBLADDER, fistula

same)

SILINKOVA-MALKOVA, Eva

Hecklinghausen's disease of the bone. Sborn. lek. 61 no.3:70-77 Mar 59.

1. Rtg. oddeleni III. interni kliniky fakulty vseobecneho lekarstvi v Praze, prednosta akademik J. Charvat.

(OSTEITIS FIBROSA, case reports
(Cz))

SILINKOVA-MAKLOVA, Eva

Localization of parathyroid adenomas; methods and results of pneumo-
mediastinostratigraphy. Sborn. lek. 61 no.3:78-81 Mar 59.

1. Rtg. oddeleni III. interni kliniky fakulty vseobecneho lekarstvi
university Karlovy v Praze, prednosta akademik J. Charvat.

(PARATHYROID GLAND, neoplasms,

adenoma, pneumomediastinostratigraphy (Cs))

(PNEUMOMEDIASTINUM,

pneumomediastinostratigraphy in parathyroid adenoma (Cs))

DVORAK, L.; JIRANKOVA, J.; SILINKOVA-MAIKOVA, E.

Narrow mitral stenosis. I. Principal clinical investigation method.
Cas. lek. cesk. 98 no.21:661-667 22 May 59.

1. III. interni klinika KU v Praze, prednosta akademik J. Charvat.
L.D., Praha 2, U Nemocnice 2.

(MITRAL STENOSIS, diagnosis,
physical exam. technic in verified cases of narrow
stenosis (Cz))

SILINKOVA-MAIKOVA, Eva; DVORAK, Ladislav; JIRANKOVA, Jarmila

Tight mitral stenosis. II. Value of fundamental methods of x-ray examination. Cas. lek. cesk. 98 no.21:669-673 22 May 59.

1. III. interni klinika MU v Praze, prednosta akademik Josef Charvat E.S., Praha 2, Jecna 1.

(MITRAL STENOSIS, diag.

x-ray in tight stenosis (Cz))

SILINKOVA-MALKOVA, E., C.Sc.; BLEHA, O., C.Sc.

Climacteric osteoporosis. Cesk. gyn. 25[39] no.1/2: 42-46 Mr '60.

1. III.interní klinika KU v Praze, predn.akad. J.Charvat.
(MENOPAUSE compl.)
(OSTEOPOROSIS etiol.)

SILINKOVA-MAIKOVA, Eva; C.Sc.; MALEK, Jiri, doc. Dr. Sc.

Endocraniosis and sterility. Cesk.gyn. 25[39] no.3:224-230 1960.

1. III.int.klinika KU v Praze, prednosta akademik J. Charvat.
I.gyn.por.klin. KU v Praze, prednosta prof.Dr.Sc. K. Klaus.
(HYPEROSTOSIS FRONTALIS INTERNA compl.)
(STERILITY FEMALE etiol.)

SILINKOVA-MALKOVA, Eva

Pneumopelvigraphic diagnosis in gynecological endocrinology. Cesk.
rentg. 15 no.2:93-100 Ap ' 61.

1. III. interni klinika v Praze, prednosta akadem J. Charvat.
(PNEUMOPERITONEUM ARTIFICIAL)
(GYNECOLOGY radiography)

SILINKOVA-MALKOVA, Eva; BLEHOVA, B.; PRACHLIKOVA, H.

Atypical enchondral polytopic dysostosis of the Morquio type;
a contribution to the classification of disproportional nanism.
Cesk. rentgenol. 15 no.4:266-272 '61.

1. III.: interni klinika lekarske fakulty KU v Praze, prednosta akademik
J. Charvat Detska klinika hygienicke fakulty KU v Praze, prednosta
prof. dr. J. Cizkova-Pisarovicova.
(ECCENTRO-OSTEOCHONDRODYSPLASIA case reports)

BLEHOVA, B.; KANDRAC, M.; SILINKOVA-MALKOVA, E.; ROTTER, Z.

Pubertas praecox after recovery from basilar meningitis. Cesk. pediat.
16 no.12:1100-1104 D '61.

1. Detska klinika LFH (prednosta prof. Pisarovicova-Ciskova) III
interni klinika (prednosta akademik J. Charvat) Detska plicni lecebna,
Thomayerova nemocnice v Krci (prednosta Z. Rotter)

(MENINGITIS complications)
(PUBERTY PRECOCIOUS case reports)

SILINKOVA-MALKOVA, E., C.Sc., doc.; MALEK, J., dr.Sc.

Prevention of diencephalo-pituitary disorders in endocranioses.
Cesk. gyn. 26[40] no.8:634-636 UL'61.

(HYPEROSTOSIS FRONTALIS INTERNA compl)
(DIENCEPHALON dis) (PITUITARY GLAND ANTERIOR dis)
(GYNECOLOGY)

SILINKOVA-MALKOVA, Eva

SURNAME, Given Names

Country: Czechoslovakia

Academic Degrees: MUDr

Affiliation: Internal Clinic III of the Faculty of General Medicine, Charles University (III Interni klinika fakulty vseobecneho lekarstvi KU), Prague; Chief (Prednosta): Academician J Charvat

Sources: Prague, Prakticky Lekar, Vol 41, No 17, 5 September 1961, pp 770-774

Data: "Bone Diseases Arising From Metabolic and Endocrine Disturbances and Their Roentgen Diagnosis."

, 30

070 74(47)

CHARVAT, Josef; GREGOROVA, Inge; MALEK, Jiri; KANDRAC, Michal; SILINKOVA-
MALKOVA, Eva

Excretion of androgens in hirsute women. Sborn.lek. 64 no.1:1-19
Ja '62.

1. Laborator pro endokrinologii a metabolismus, fakulty vseobecneho
lekarstvi University Karlovy v Praze, prednosta akademik Josef Charvat
I gynekologicka klinika fakulty vseobecneho lekarstvi University Karlovy
v Praze, prednosta prof. dr. Karel Klaus Dr.Sc.

(ANDROGENS urine) (HYPERTRICHOSIS urine)

KANDRAC, Michal S.; POTMESIL, Milan; SILINKOVA-MALKOVA, Eva

Contribution to the diagnosis of paraganglioma. Cas. lek. cesk. 101
no.31:955-959 27 JI '62.

1. Laborator pro endokrinologii a metabolismus KU v Praze, reditel
akademik J. Charvat - I interni oddeleni Ustredni vojenske nemocnice
v Praze, prednosta doc. dr. V. Dufek.

(PARAGANGLIOMA diagn)

SILINKOVA-MALKOVA, Eva; DVOŘAK, Ladislav; KOLBEL, Frantisek; KAPITOLA, Jiri

Pulmonary hypertension in mitral defects in the roentgenological picture. Cas. lek. cesk. 101 no.40:1196-1200 5 0 '62.

1. III interní klinika fakulty všeobecného lékařství KU v Praze,
prednosta akademik J. Charvat.
(HYPERTENSION PULMONARY) (MITRAL STENOSIS)

CZECHOSLOVAKIA

SIDINKOVA-MALKOVA, E., Dr.

Third Internal Medicine Clinic of the Faculty of General
Medicine of KU (III. vnitřní kliniky fakulty všeobecného
lékarství KU), Prague

Prague, Vnitřní lékařství, No 8, 1963, pp 801-803

"Non-malignant Occlusion of Superior Vena cava."

CZECHOSLOVAKIA

SILINKOVA-STALOVA, E., MD.

Third Internal Medicine Clinic of the Faculty of General
Medicine of Charles University (III. interní
klinika fakulty všeobecného lékařství AU), Prague

Prague, Praktický lékař, No 11, 1963, pp 403-405

"X-Ray Picture of Lung Complications from the Influenza
Epidemic of 1962."

SILINKOVA-MALKOVA, E.

Roentgen diagnosis of Stein-Leventhal syndrome. Acta Univ. Carol.
[med.] (Praha) 10:suppl. 17:167-173 '63

1. III. interni klinika fakulty vseobecneho lekarstvi University
Karlovy v Praze; prednosta: akademik J.Charvat.

SILINKOVA-MALKOVA, E.

Roentgen diagnosis of adrenal gland syndromes. Sborn. lek. 65
no.10:289-299 S '63.

1. III interni klinika fakulty vseobecneho lekarstvi University
Karlovy v Praze, prednosta akademik J. Charvat.

(ADRENAL GLAND DISEASES) (ADDISON'S DISEASE)

(CUSHING'S SYNDROME) (HYPERALDOSTERONISM)

(ADRENOGENITAL SYNDROME) (RADIOGRAPHY)

(RETROPNEUMOPERITONEUM) (ADRENAL GLAND NEOPLASMS)

DUBOVSKY, J.; DUBOVSKA, E.; SILINKOVA-MALKOVA, E.; PACOVSKY, V.

Contribution to the biochemical diagnosis of vague osteopathies.
Cas. lek. cesk. 102 no.12:323-324 22 Mr '63.

1. III. interni klinika fakulty vseobecneho lekarstvi KU v Praze,
prednosta akademik J. Charvat.

(HYDROXYPROLINE)	(MUCOPOLYSACCHARIDES)	(PROLINE)
(CREATINE AND CREATININE)	(BONE DISEASES)	(DIAGNOSIS)
(BIOCHEMISTRY)	(CHEMISTRY, ANALYTICAL)	(HYPERPARATHYROIDISM)

HOLICKA, Zdenek; MATYS, Zdenek; SILINKOVA-MALKOVA, Eva; PANOS, J.; FELT, V.

Cushing's syndrome in mixed, fascicular hypophyseal adenoma.
Sborn. ved. prac. lek. fak. Karlov. Univ. 8 no.4:489-494 ' 65.

1. Patologicko-anatomicky ustav (prednosta: prof. MUDr. A. Fingerland, DrSc.); III. interni klinika vseob. lekar. Karlovy University, Praha (prednosta: akad. J. Charvat); II. interni klinika detskeho lekarstvi, Praha (prednosta: prof. MUDr. R. Folt. DrSc.) a Vyzkumny ustav endokrinologicky, Praha (prednosta: doc. MUDr. K. Silink).

SILINS, J.J., inzhener.

Attachment to drilling machines for drilling in pairs. Der. 1
lesokhim.prom. 3 no.10:20 0 '54. (MLRA 7:11)

1. Rizhskiy mebel'nyy kombinat No. 5.
(Drilling and boring machinery)

POLENS, Ya. [Polens, J.]; SHCHENK, F. [Shchenk, F.]; VITOLS, I.;
Prilozheniya k spetsial'noy literaturne, I. [Prilozheniya, I.]

Fluorometric determination of 11-hydroxycorticosteroids in human
blood plasma. Vopr. med. khim. 30, 634-634 N-D 162.

(MIRA 17:5)

1. Institut eksperimental'noy i klinicheskoy meditsiny AN
Latviyskoy SSR, fiziko-matematicheskii fakul'tet latviyskogo
universiteta imeni Pjotra Struchan, Riga.

24(7)

PHASE I BOOK EXPLOITATION

Nov. 1956

207/1700

Materialy I Vsesoyuznogo sovetskoye po spektroskopii, 1956.
t. III. Atomnaya spektroskopiya (Materials of the 10th All-Union
Conference on Spectroscopy, 1956. Vol. 3: Atomic Spectroscopy)
Moscow: Izdatel'stvo L'vovskogo univ., 1958. 568 p. (Series: Iza-
vishchiknyy sbornik, vyp. 4(9)) 3,000 copies printed.

Additional Sponsoring Agency: Akademiyu nauk SSSR. Komissiya po
spektroskopii.

Editorial Board: G.S. Landsberg, Academician, (Sov. M.);
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Purpose: This book is intended for scientists and researchers in
the field of spectroscopy, as well as for technical personnel
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studies cover many phases of spectroscopy: spectra of rare earths,
electromagnetic radiation, physicochemical methods for controlling
uranium production, physics and technology of gas discharge,
optics and spectroscopy, abnormal dispersion in metal vapors,
spectroscopy and the combustion theory, spectrum analysis of ores
and minerals, photographic methods for quantitative spectrum
analysis of metals and alloys, spectral determination of the
degree of purity of metals and isotopes, tables and
statistical study of variation in the parameters of calibration
curves, determination of traces of metals, spectrum analysis in
metallurgy, thermochemistry in metallurgy, and principles and
practice of spectrochemical analysis.

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Spectral Analysis of Aluminum in Alloyed Steel With the Aid
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AUTHORS: Silin'sh, E.A., Taure, L.F.

TITLE: An Investigation on the Effect of Polarity of a Sample During the Excitation of Spectrum in an Alternating Current Arc

PERIODICAL: Inzhenerno-fizicheskiy zhurnal, 1959, Nr 6, pp 91-95 (USSR)

ABSTRACT: A standard generator of the PS-39 type and a unipolar arc, the circuit of which is shown in Figure 1, was used by the authors for studying the effect of polarity of a sample on changes in its spectrum and for investigating the processes occurring in electrodes. The following alloys were used for electrodes: carbon steel, medium-alloyed steel, non-rusting steel, brass, babbitt, and the metals: bismuth, lead, tin, cadmium, zinc, aluminum, magnesium, iron, nickel and copper. The measurements have shown that absolute intensity of spectral lines of elements is usually higher at the negative polarity of a sample (cathode conditions) than at the positive polarity (anode conditions), and in particular by a factor of 1.5 to 2 times for steel, 2 to 3 times for babbitt and 5 to 8 times for brass. The course of graduated graphs is discussed and displacements due to effects of "third components" in the samples

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AUTHORS: Silin'sh, E. A., Taure, L.F.

TITLE: An Investigation of the Role of the Polarity of the Sample in the Excitation of the Spectrum in the Alternating-current Arc

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ABSTRACT: The experiments described were carried out with unipolar alternating current. Figure 1 shows the wiring scheme of the device, which permits operation with normal alternating current of 100 cycles and unipolar alternating current of 50 cycles. The experiments were carried out on carbon steel, medium-alloy steels, stainless steel, and brass. It was found that the absolute intensity of the spectral lines in the case of negative polarity of the sample exceeds that of positive polarity 1.5 to 2-fold in the case of steel and 5-8-fold in the case of brass. The ratio between the lines of the alloy elements and the intensity of those of the basic material is greater in the case of anode operation than in that of cathode operation. However, it was found that in the case of cathode operation the influence of third alloy elements becomes negligible. Measurement results in the case of alternating

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An Investigation of the Role of the Polarity of the Sample in the Excitation of the Spectrum in the Alternating-current Arc

current operation are normally between those of anode- and cathode operation, and the alternating current effects are considered to be a superposition of anode- and cathode-effects. The error in analysis is given as amounting to 3.4% alternating current, 3.5% for cathode-, and 5.5% for anode operation. It was found that in the case of cathode operation the rule set up by L. N. Filimonov applies to the lighting-up (obzhig) curve (which represents the time-dependence of ΔS), but for anode operation it does not apply for some elements (especially for Cr, Ni, Si). A diagram (Fig 4) shows the dependence of the relative intensity of the spectral lines of Ni and Fe on the amperage for cathode- and anode operation. In the evaporation of elements, besides thermal- and redox-processes, also the electrical processes on the electrodes play an important part. There are 4 figures and 5 Soviet references.

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